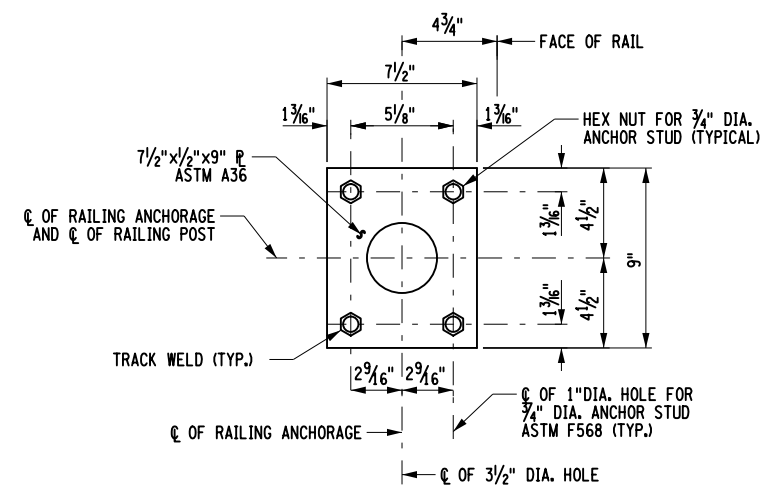
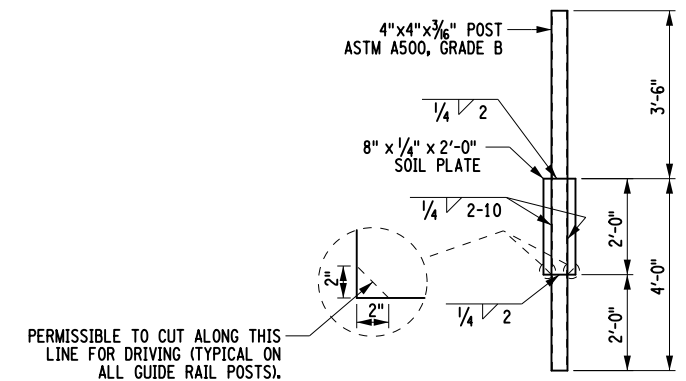


SECTION B-B  
RAILING POST BASE PLATE

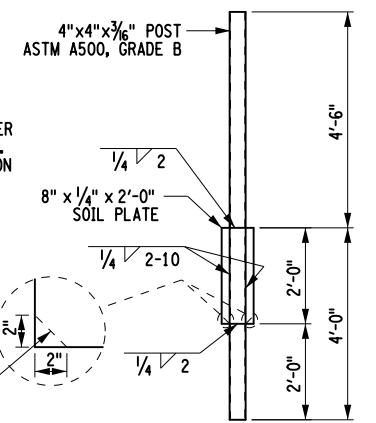


SECTION C-C  
RAILING POST ANCHOR PLATE



SOIL POST DETAIL FOR PEDESTRIAN  
BRIDGE RAILING (FOUR RAIL)  
(TO BE USED OFF OF THE STRUCTURE)

NOTE:  
ALL STEEL TO BE GALVANIZED AFTER  
WELDING IN ACCORDANCE WITH N.Y.S.  
STANDARD SPECIFICATION SUBSECTION  
719-01.



SOIL POST DETAIL FOR BICYCLE  
BRIDGE RAILING (FIVE RAIL)  
(TO BE USED OFF OF THE STRUCTURE)

NOTES:

ALL RAILING IS TO BE FABRICATED AND ERECTED SO THAT THE RAILS ARE PARALLEL TO EACH OTHER AND TO THE GRADE. THE POSTS ARE TO BE TRULY VERTICAL.

WHEN THE RAILING IS TO BE PLACED ON A PREFORMED SURFACE, THE BASE PLATE MAY BE PARALLEL TO THE GRADE OR MAY BE PERPENDICULAR TO THE POST AND MADE LEVEL BY THE USE OF (1:1 RATIO CEMENT TO SAND) MORTAR.

TUBULAR STEEL RAILS, RAIL POSTS, NUTS AND WASHERS, CARRIAGE BOLTS, BASE PLATE ASSEMBLIES, ANCHOR STUDS, ANCHOR PLATES, ANY NECESSARY SHIMS AND MORTAR PADS TO BE PAID FOR UNDER THE RAILING ITEM.

AFTER THE ANCHOR STUD NUTS HAVE BEEN PLACED AND TIGHTENED TO THE SATISFACTION OF THE ENGINEER, THE STUDS SHALL BE CUT OFF 1" ABOVE THE NUT AND THE THREADS SHALL BE DAMAGED SO THE NUT SHALL NOT BACK OFF.

RAIL SHALL SPAN A MINIMUM OF 3 POSTS, EXCEPT AT THE END OF THE BRIDGE RAILING WHERE THE RAIL MAY SPAN A MINIMUM OF 2 POSTS.

RAILING COMPONENTS ARE TO BE GALVANIZED IN ACCORDANCE WITH THE MATERIAL SPECIFICATION 719-01.

PRIOR TO GALVANIZING, GRIND ALL SHARP EDGES TO A MINIMUM RADIUS OF 1/16".

CEMENT MORTAR PADS SHALL BE PAID FOR UNDER THE RAILING ITEM.

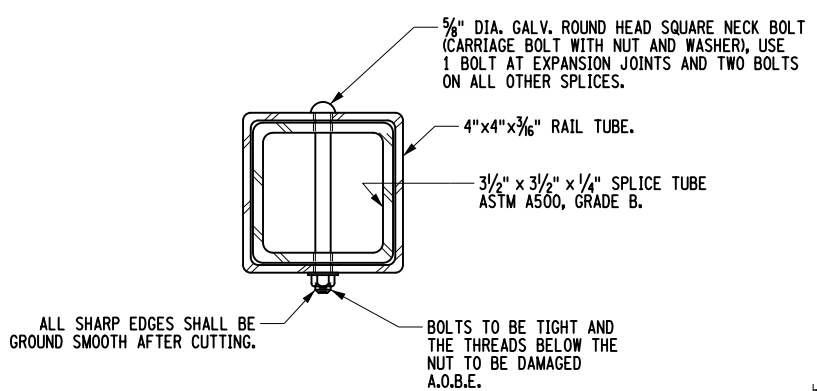
REPAIRS TO ALL DAMAGED GALVANIZED SURFACES INCLUDING ANCHOR STUDS SHALL BE MADE IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

DESIGNER NOTE:

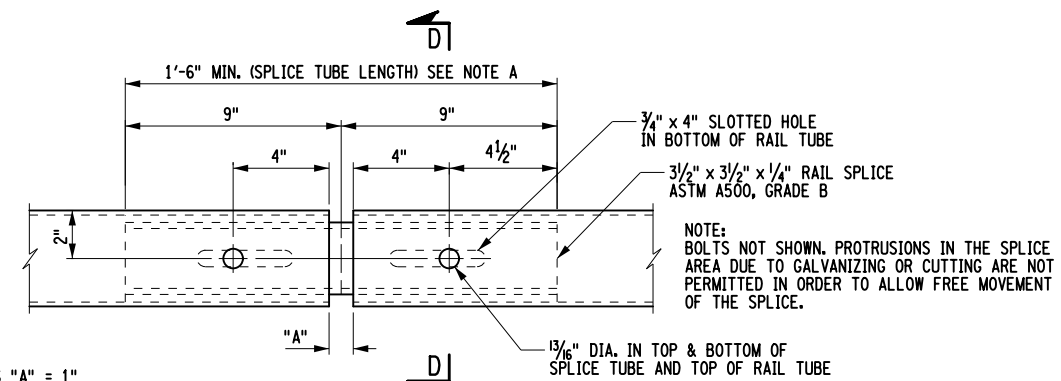
IF GRADE OF BRIDGE EXCEEDS 8%, THE DESIGNER MAY ELECT TO DESIGNATE ON THE PLANS THAT THE POSTS ARE TO BE SET PERPENDICULAR TO THE GRADE.

NOTE:

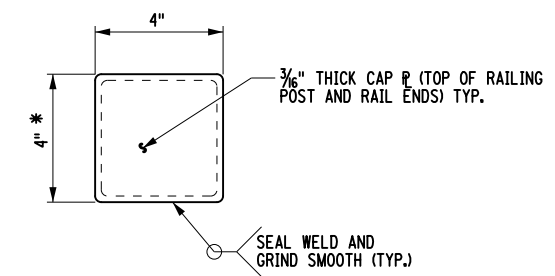
FOR LOCATION OF SECTIONS B-B, C-C, END CAP DETAIL AND SOIL POST DETAIL, SEE BD-RP2E AND BD-RP3E.



SECTION D-D



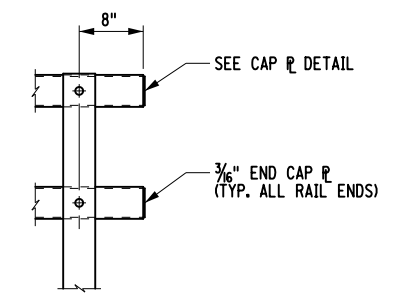
RAIL SPLICE DETAIL




CAP PLATE DETAIL  
(TYPICAL FOR TOP OF RAILING  
POSTS AND RAIL ENDS)

NOTE:  
END CAPS FOR RAILING ARE TO BE USED  
ONLY WHERE THE RAIL TERMINATES AND AT  
THE TOPS OF ALL RAILING POSTS.

\* THIS DIMENSION MAY BE LARGER FOR  
END RAILS SET AT A 45° SLOPE.



ALTERNATE RAIL TERMINATION DETAIL

REVISED	 <div>NEW YORK STATE OF OPPORTUNITY.</div>	Department of Transportation Office of Structures	
		SECTIONS AND DETAILS FOR BICYCLE AND PEDESTRIAN BRIDGE RAILING	
ERRATA			
12/20/16	APPROVED: 12/20/16 ORIGINAL SIGNED BY <u>RICHARD MARCHIONE, P.E.</u> DEPUTY CHIEF ENGINEER (STRUCTURES)	ORIGINAL ISSUED UNDER EB 08-002  CURRENT ISSUED UNDER EB 16-050 EFFECTIVE WITH THE LETTING OF 12/20/16	